

Internal energy and energy transfer – GCSE Physics Paper 1**1. No.1(1.5)**

0	1
---	---

.

5

Calculate the thermal energy needed to melt 0.250 kg of ice at 0 °C.

specific latent heat of fusion of water = 334 000 J/kg

Use the equation:

thermal energy = mass × specific latent heat

[2 marks]

Thermal energy = _____ J